

**REDUCED COMPLEXITY COMPUTER  
SYSTEM ARCHITECTURE**

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**ABSTRACT OF THE DISCLOSURE**

10 An architecture for a computer system that has lower complexity than  
prior computer system architectures. In one embodiment the functionality that in  
prior computer system architectures resides in a central processing unit (CPU) is  
split between a CPU and a program control unit. This allows the CPU to have  
lower complexity and can permit the computer system to have greater flexibility  
and lower cost. In another embodiment the computer system contains a memory  
mapping unit. The memory mapping unit enables the computer system to use one  
of a plurality of peripherals without changing the instruction codes of the CPU  
15 thus increasing the flexibility of the computer system.

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